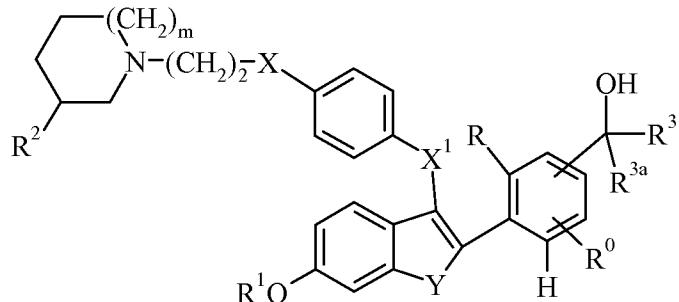


Amendments to the Claims

Without prejudice or disclaimer, this listing of claims will replace all prior versions and listing of claims in this application.

1. (Original) A compound of formula I:



I;

wherein:

m is 0, 1 or 2;

R^0 is H, F or OH;

R¹ is H, SO₂(n-C₄-C₆ alkyl) or COR⁴;

R^2 is H or methyl provided that if m is 1 or 2, then R^2 must be H and that if m is 0, then R^2 must be methyl;

X is O or NR⁵;

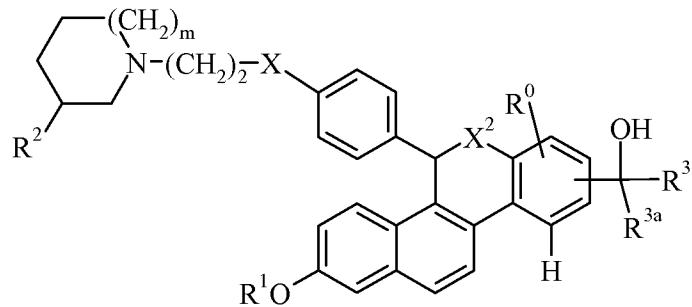
Y is S or $\text{CH}=\text{CH}$:

R^4 is C_1 - C_6 alkyl, C_1 - C_6 alkoxy, NR^6R^7 , phenoxy, or phenyl optionally substituted with halo;

R⁵ is H or C₁-C₆ alkyl;

R⁶ and R⁷ are independently H, C₁-C₆ alkyl or phenyl;

R is H and X¹ is O, CH₂ or CO or R combines with X¹ to form a moiety of the formula:



wherein X^2 is O or S; and

R^3 and R^{3a} are independently H or C₁-C₆ alkyl; or a pharmaceutical acid addition salt thereof.

2. (Currently Amended) The compound of claim 1 wherein R^0 is H, R is H, R^1 is H or COR⁴, R^4 is C₁-C₄ alkyl, NHCH₃ or phenyl, X and X¹ are O and m is 1 or 2.

3-5. Cancelled

6. (Currently Amended) The compound of ~~claim 5~~ claim 2 wherein R^1 is H, R^3 and R^{3a} are independently H or C₁-C₄ alkyl, Y is CH=CH and m is 1.

7-8 Cancelled

9. (Currently Amended) The compound of ~~claim 8~~ claim 6 wherein R^3 and R^{3a} are independently H or methyl and wherein the COHR³R^{3a} moiety is at position 4.

10. Cancelled

11. (Currently Amended) The compound of ~~claim 2~~ claim 1 wherein R^0 is H, R combines with X¹, R^1 is H or COR⁴, R^4 is C₁-C₄ alkyl, NHCH₃ or phenyl, X and X² are O and m is 1 or 2.

12-13. Cancelled

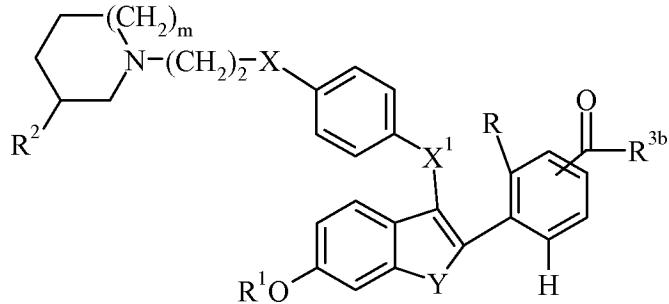
14. (Currently Amended) The compound of ~~claim 13~~ **claim 11** wherein R¹ is H, R³ and R^{3a} are independently H or C₁-C₄ alkyl and m is 1.

15. Cancelled

16. (Currently Amended) The compound of ~~claim 15~~ **claim 14** wherein R³ and R^{3a} are independently H or methyl and wherein the COHR³R^{3a} moiety is at position 4.

17-18. Cancelled

19. (Previously Presented) A compound of formula II:



II;

wherein:

m is 0, 1 or 2;

R¹ is H, SO₂(n-C₄-C₆ alkyl) or COR⁴;

R² is H or methyl provided that if m is 1 or 2, then R² must be H and that if m is 0, then R² must be methyl;

X is O or NR⁵;

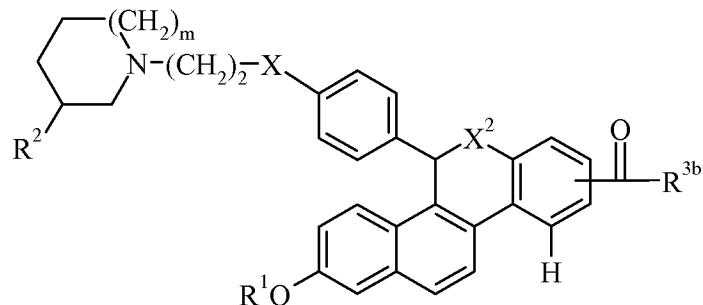
Y is S or CH=CH;

R⁴ is C₁-C₆ alkyl, C₁-C₆ alkoxy, NR⁶R⁷, phenoxy, or phenyl optionally substituted with halo;

R⁵ is H or C₁-C₆ alkyl;

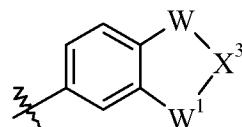
R⁶ and R⁷ are independently H, C₁-C₆ alkyl or phenyl;

R is H and X¹ is O or CH₂ or R combines with X¹ to form a moiety of the formula:



wherein X² is O or S;

R^{3b} is NR⁸R⁹ or OR¹⁰ or when R is H, R^{3b} may combine with the phenyl with which it is attached to form a moiety of the formula:



wherein W and W¹ are CH₂ or C=O provided that at least one of W or W¹ must be C=O; and X³ is NR¹¹ or O; and

R⁸ and R⁹ are independently H or C₁-C₆ alkyl or R⁸ and R⁹ may combine with the nitrogen to which they are both attached to form a morpholino, pyrrolidino or piperidino ring;

R¹⁰ and R¹¹ are independently H or C₁-C₆ alkyl; or a pharmaceutical salt thereof.

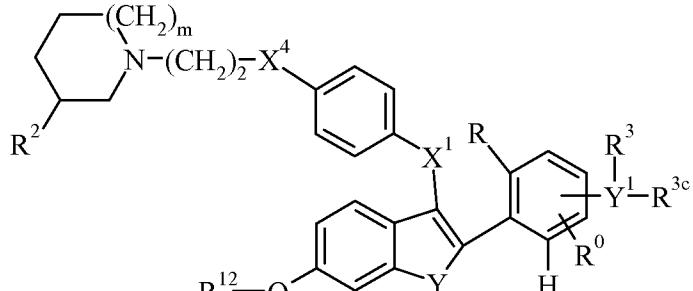
20. (Currently Amended) The compound of claim 19 wherein R⁸ and R⁹ are independently H or C₁-C₆ alkyl, R¹ is H or COR⁴ and R⁴ is C₁-C₄ alkyl, NHCH₃ or phenyl, X and X¹ are O and m is 1 or 2.

21-22. Cancelled

23. (Currently Amended) The compound ~~claim 22~~ claim 20 wherein R¹ is H, Y is CH=CH and the COR^{3b} moiety is at the 3- or 4-position.

24-35 Cancelled

36. (Previously presented) A compound of formula III:



III;

wherein:

m is 0, 1 or 2;

R^0 is H, F or OH;

R^2 is H or methyl provided that if m is 1 or 2, then R^2 must be H and that if m is 0, then R^2 must be methyl;

Y is S or $CH=CH$;

Y^1 is $C=O$ or $C(OH)$;

R^3 is H or C_1-C_6 alkyl;

R^{3c} is absent or is H or C_1-C_6 alkyl provided that if Y^1 is $C(OH)$, then R^{3c} is H or C_1-C_6 alkyl and that if Y^1 is $C=O$, then R^{3c} is absent;

R^{12} is H, C_1-C_6 alkyl, benzyl, SO_2CH_3 , $SO_2(n-C_4-C_6$ alkyl) or COR^4 ;

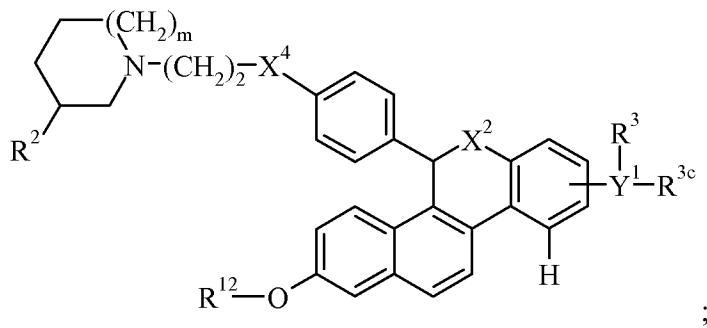
X^4 is O or NR^{13} ;

R^4 is C_1-C_6 alkyl, C_1-C_6 alkoxy, NR^6R^7 , phenoxy, or phenyl optionally substituted with halo;

R^6 and R^7 are independently H, C_1-C_6 alkyl or phenyl;

R^{13} is H, C_1-C_6 alkyl or $CO_2(C_1-C_6$ alkyl); and

R is H and X^1 is O or CH_2 or R combines with X^1 to form a moiety of the formula:



wherein X^2 is O or S;

provided that if Y^1 is C(OH), then R^{12} is C₁-C₆ alkyl, SO₂CH₃ or benzyl or X^4 is NR¹³ and R^{13} is CO₂(C₁-C₆ alkyl); or an acid addition salt thereof.

37. (Currently Amended) The compound of claim 36 wherein R^0 is H, R is H, R12 is SO2CH3, benzyl or methyl, X4 and X1 are O and m is 1 or 2.

38-40 Cancelled

41. (Currently Amended) The compound of claim 40 claim 37 wherein Y is CH=CH, R3 and R3c are independently H or C₁-C₄ alkyl and m is 1.

42. Cancelled

43. (Currently Amended) The compound of claim 42 claim 41 wherein R³ and R^{3c} are independently H or methyl and the Y1R3R3c moiety is at position 4.

44. Cancelled

45. (Currently Amended) The compound of claim 37 wherein R0 is H, R combines with X1, R12 is SO2CH3, benzyl or methyl, X4 is O and m is 1 or 2.

46-47. Cancelled

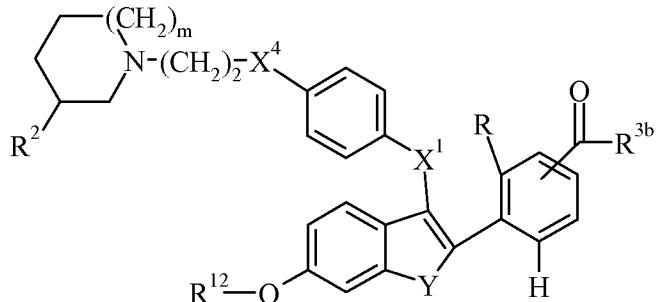
48. (Currently Amended) The compound of ~~claims 47~~ **claim 45** wherein **R³ and R^{3c} are independently H or C₁-C₄ alkyl**, X² is O and m is 1.

49. Cancelled

50. (Currently Amended) The compound of ~~claim 49~~ **claim 48** wherein R³ and R^{3c} are independently H or methyl **and the Y¹R³R^{3c} moiety is at position 4.**

51. Cancelled

52. (Previously presented) A compound of formula IV:



IV;

wherein:

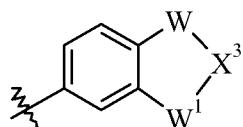
m is 0, 1 or 2;

R² is H or methyl provided that if m is 1 or 2, then R² must be H and that if m is 0, then R² must be methyl;

Y is S or CH=CH;

R¹² is H, C₁-C₆ alkyl, benzyl, SO₂CH₃, SO₂(n-C₄-C₆ alkyl) or COR⁴;

R^{3b} is NR⁸R⁹ or OR¹⁰ or when R is H, R^{3b} may combine with the phenyl with which it is attached to form a moiety of the formula:



wherein W and W¹ are CH₂ or C=O provided that at least one of W or W¹

must be C=O; and X³ is NR¹¹ or O;

X⁴ is O or NR¹³;

R⁴ is C₁-C₆ alkyl, C₁-C₆ alkoxy, NR⁶R⁷, phenoxy, or phenyl optionally substituted with halo;

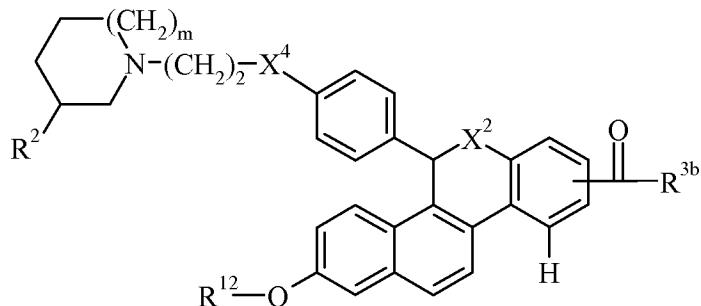
R⁶ and R⁷ are independently H, C₁-C₆ alkyl or phenyl;

R⁸ and R⁹ are independently H or C₁-C₆ alkyl or R⁸ and R⁹ may combine with the nitrogen to which they are both attached to form a morpholino, pyrrolidino or piperidino ring;

R¹⁰ and R¹¹ are independently H or C₁-C₆ alkyl;

R¹³ is H, C₁-C₆ alkyl or CO₂(C₁-C₆ alkyl); and

R is H and X¹ is O, CH₂ or CO or R combines with X¹ to form a moiety of the formula:



wherein X² is O or S;

provided that if R¹² is H, SO₂(n-C₄-C₆ alkyl) or COR⁴, then X⁴ is NR¹³ and R¹³ is CO₂(C₁-C₆ alkyl); or an acid addition salt thereof.

53. (Currently Amended) The compound of claim 52 wherein R⁸ and R⁹ are independently H or C₁-C₆ alkyl, X⁴ and X¹ are O, m is 1 or 2, R¹² is

SO₂CH₃, benzyl or methyl, Y is CH=CH and the COR^{3b} moiety is at the 3- or 4-position.

58. (Currently Amended) The compound of ~~claim 57~~ claim 53 wherein the COR^{3b} moiety is at the 4-position, R^{3b} is NR⁸R⁹ and R⁸ and R⁹ are independently H or C₁-C₄ alkyl.

59. Cancelled

60 (Currently Amended) The compound of ~~claim 59~~ claim 53 wherein the COR^{3b} moiety is at the 4-position, R^{3b} is OR¹⁰ and R¹⁰ is H or C₁-C₄ alkyl.

61-63. Cancelled

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